
Mauna Loa Solar Observatory Observer's Log

Fri May 5 16:20:03 GMT 2017

Year: 17 Doy: 125

Observer: berkey

WEATHER COMMENT: berkey: Fri May 05 16:20:31 GMT 2017

Temp: 42.9f, Humidity: 19%, Pressure: 28.734in, Wind: 8mph from 156degs, Skies: clear

___end___

Fri May 05 16:51:02 GMT 2017 CoMP occulter has been re-centered

Fri May 05 16:54:54 GMT 2017 SGS Alignment complete

Fri May 05 16:55:49 GMT 2017 COMP Start Patrol on cookbook: synoptic-00010.cbk

Fri May 05 16:57:58 GMT 2017 Kcor Focus/alignment program exited

Fri May 05 17:02:36 GMT 2017 KCOR Start Synoptic Patrol

Fri May 05 18:31:37 GMT 2017 KCOR End Patrol

Fri May 05 18:31:39 GMT 2017 KCOR Start Calibration script: c:\kcor\mlso-calibration22deg-20150323.ini

Fri May 05 18:46:55 GMT 2017 KCOR End Calibration Script

Fri May 05 18:47:13 GMT 2017 KCOR Start Synoptic Patrol

Fri May 05 18:47:14 GMT 2017 KCOR Start Synoptic Patrol

Fri May 05 18:57:26 GMT 2017 Kcor sees an SGS Guiding Error closing lens cover

Fri May 05 18:57:28 GMT 2017 KCOR End Patrol

Fri May 05 18:59:27 GMT 2017 KCOR Start Synoptic Patrol

GENERAL COMMENT BY waters: Fri May 05 19:01:25 GMT 2017

The spar was oscillating for a little bit this morning. Ben fixed it by putting a crowbar on the handle at the end of the spar. First time in a while to see it.

___end___

Fri May 05 19:37:33 GMT 2017 COMP End Patrol

Fri May 05 19:38:08 GMT 2017 KCOR End Patrol

Fri May 05 19:38:24 GMT 2017 SGS Alignment complete

Fri May 05 19:39:23 GMT 2017 KCOR Start Synoptic Patrol

Fri May 05 19:39:12 GMT 2017 COMP Start Patrol on cookbook: waves-00001.cbk

GENERAL COMMENT BY waters: Fri May 05 20:34:06 GMT 2017

Went down to the GONG shelter to turn off the PITCH and ROLL amps as requested by Gongster Tim.

___end___

Fri May 05 21:11:28 GMT 2017 COMP End Patrol

Fri May 05 21:12:12 GMT 2017 KCOR End Patrol

Fri May 05 21:15:32 GMT 2017 SGS Alignment complete

Fri May 05 21:16:30 GMT 2017 Kcor Focus/alignment program exited

Fri May 05 21:16:40 GMT 2017 COMP Start Patrol on cookbook: synoptic-00010.cbk

Fri May 05 21:24:53 GMT 2017 KCOR Start Synoptic Patrol

Fri May 05 21:34:05 GMT 2017 Kcor sees an SGS Guiding Error closing lens cover

Fri May 05 21:34:07 GMT 2017 KCOR End Patrol

Fri May 05 21:35:23 GMT 2017 KCOR Start Synoptic Patrol

GENERAL COMMENT BY waters: Fri May 05 21:35:28 GMT 2017

Doing a bit of prep work for Comp when the spar started oscillating again.

___end___

Fri May 05 22:54:29 GMT 2017 KCOR End Patrol

Fri May 05 22:54:42 GMT 2017 CoMP Paused for clouds

GENERAL COMMENT BY waters: Fri May 05 22:54:40 GMT 2017
Clouds have come up from the Northeast. Instruments idled for the moment
____end____

Fri May 05 22:57:04 GMT 2017 CoMP Restarted from pause
Fri May 05 22:57:04 GMT 2017 COMP End Patrol
Fri May 05 23:50:05 GMT 2017 SGS Alignment complete
Fri May 05 23:51:12 GMT 2017 Kcor Focus/alignment program exited
GENERAL COMMENT BY waters: Fri May 05 23:50:15 GMT 2017
Closed the dome for some passing fog.
____end____

Fri May 05 23:54:43 GMT 2017 KCOR Start Synoptic Patrol
Sat May 06 00:02:29 GMT 2017 KCOR End Patrol
Sat May 06 00:02:36 GMT 2017 KCOR Start Synoptic Patrol
Sat May 06 00:09:30 GMT 2017 KCOR End Patrol
CoMP COMMENT BY waters: Sat May 06 00:09:58 GMT 2017
Some clouds are coming up, instruments idled till they pass.
____end____

Sat May 06 00:43:18 GMT 2017 KCOR Start Synoptic Patrol
Sat May 06 01:53:16 GMT 2017 KCOR End Patrol
GENERAL COMMENT BY waters: Sat May 06 01:52:27 GMT 2017
Running a test with Comp, idling Kcor just in case.
____end____

Sat May 06 02:06:55 GMT 2017 CoMP occulter has been re-centered
Sat May 06 02:28:42 GMT 2017 SGS Alignment complete
Sat May 06 02:29:42 GMT 2017 KCOR Start Synoptic Patrol
Sat May 06 02:30:01 GMT 2017 CoMP occulter has been re-centered
CoMP COMMENT BY berkey: Sat May 06 02:29:29 GMT 2017

Installed and configured the new PZC200 controller and PZA12 actuator on the CoMP E-W alignment stage. During the installation another spring was added to the E-W stage. The new spring appears to have enough force to counteract the weight of gravity on the entire occulter assembly when we point to the east and everything hangs on the spring. The new PZA12 motor has about 10x more power to overcome the new spring :) so this should give better control of the occulter/field stop in the afternoon.

____end____
Sat May 06 02:31:45 GMT 2017 COMP Start Patrol on cookbook: synoptic-00010.cbk
CoMP COMMENT BY berkey: Sat May 06 02:33:44 GMT 2017
The new E-W controller appears to forget its location on power cycle. So all E-W position information should be taken to be a offset around zero not an absolute distance from zero.

This change means that instead of the 60-70,000 we normally see in the headers and GUI we now see numbers like 0 or +/-500
.
____end____

CoMP COMMENT BY waters: Sat May 06 02:40:55 GMT 2017
Ben said that if anything happens with CoMP before Monday, to give him a call so he can help get it back up and running properly.
____end____
GENERAL COMMENT BY waters: Sat May 06 03:05:13 GMT 2017

Dome occulted CoMP

___end___

Sat May 06 03:48:44 GMT 2017 KCOR End Patrol

Sat May 06 03:48:44 GMT 2017 CoMP Paused for clouds

Sat May 06 03:49:07 GMT 2017 CoMP Restarted from pause

Sat May 06 03:49:07 GMT 2017 COMP End Patrol

GENERAL COMMENT BY waters: Sat May 06 03:58:41 GMT 2017

All in all, not a bad day. While we did have some run in with clouds, it actually helped us so we could get the new PZC200 controller and PZA12 actuator installed. Lots of areosols starting at 945 hst but they cleared up a bit this afternoon.

___end___